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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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OCT 26 1998

DIANE BRONSTEIN
ROBERTS CUSHMAN

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|---|---|--|
| Applicant's or agent's file reference 1789/47653 P | FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small> | |
| International application No. PCT/US98/14103 | International filing date (day/month/year) 07 JULY 1998 | (Earliest) Priority Date 21 JULY 1997 |
| Applicant HISATEK, LLC | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
2. ☐ Unity of invention is lacking (See Box II).
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
 - ☐ filed with the international application.
 - ☐ furnished by the applicant separately from the international application,
 - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
 - ☐ transcribed by this Authority.
4. With regard to the title, ☒ the text is approved as submitted by the applicant.
 - ☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
 - ☒ the text is approved as submitted by the applicant.
 - ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:

Figure No. _____

 - ☐ as suggested by the applicant.
 - ☐ because the applicant failed to suggest a figure.
 - ☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/14103**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(6) :A61K 38/06, 38/07, 39/02; C07K 5/00, 5/08, 5/10

US CL :424/185.1, 190.1; 514/18,19; 530/330,331

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/185.1, 190.1; 514/18,19; 530/330,331

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS, JPOABS, EPOABS, CAS ONLINE, MEDLINE, BIOSIS, EMBASE, WPIDS, TOXLIT, CHEMCATS, CSCHEM, MSDS-OHS, FILE REG (STRUCTURE AND AMINO ACID SEQUENCE SEARCH).

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | GLEISNER, J.M. et al., "Inhibition of mast-cell degranulation by chemotactic peptides", Inflammation. 1981. Vol. 5/1 pages 13-17, see entire article. | 1-23 |
| Y | ANDERSON, R.P. et al., "Hepatobiliary Excretion of Bacterial Formyl-methionyl Peptides in Rat: Structure Activity Studies", Digestive Diseases and Sciences, February 1993. Vol. 27 No.2. pages 248-256, see especially, page 249, page 252 (Table 2, peptided 1 and 2), page 253 (right column). | 1-23 |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

| | |
|---|--|
| * Special categories of cited documents: | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| *A* document defining the general state of the art which is not considered to be of particular relevance | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| *B* earlier document published on or after the international filing date | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *&* document member of the same patent family |
| *O* document referring to an oral disclosure, use, exhibition or other means | |
| *P* document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

18 SEPTEMBER 1998

Date of mailing of the international search report

23 OCT 1998

Name and mailing address of the ISA/US
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/14103

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | KERMODE, J.C. et al., "The Significance of Functional Receptor Heterogeneity in the Biological Responses of the Rabbit Neutrophil To Stimulation By Chemotactic Formyl Peptides". Biochemistry Journal 1991, Vol. 276, pages 715-23, see especially page 718 (Table 2), page 719, page 721 (right column) and page 722. | 1-23 |
| A | FERRY, D.M. et al., "Bacterial Chemotactic Oligopeptides and the Intestinal Mucosal Barrier". Gastroenterology, 1989. Vol. 97, pages 61-7, see especially page 61 (including abstract), page 64 (right column) and page 65. | 1-23 |
| Y | CASALE, T.B. et al., "Mast Cells and Asthma: The Role of Mast Cell Mediators in the Pathogenesis of Allergic Asthma", Annals of Allergy, July 1983. Vol. 51(1 Part 1), pages 2-6, see entire article. | 9-23 |
| Y | KUNA, P. et al., "Monocyte Chemotactic and Activating Factor Is a Potent Histamine-Releasing Factor For Human Basophils", The Journal of Experimental Medicine, February 1992, Vol. 175, pages 489-493, see entire article. | 1-23 |
| Y | GOODMAN and GILMAN'S, "The Pharmacological Basis of Therapeutics". 1980. (Sixth Edition: Macmillan Publishing Co. New York). pages 170-171 and 1490. | 22-23 |
| Y | US 4,929,623 A (ABE et al.) 29 May 1990, col.1 and col. 5, lines 15-35. | 22-23 |